

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3990	345/173-178.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 11:47
S2	1882	178/18.01-18.08.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:06
S3	503	345/174.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:06
S4	245	345/177.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:07
S5	210	178/18.04.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:07
S6	417	178/18.05.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:07
S7	147	178/18.06.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:08
S8	258	178/18.07.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:09
S9	521	wave same (detect\$3 or sens\$3) same transduc\$3 same (buffer or transistor)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/15 13:38
S10	13	S1 and S9	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:15

## EAST Search History

S11	13	S2 and S9	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:23
S12	1	10/750502.app.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 15:07
S13	53833	(buffer near2 circuit)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:24
S14	2	S13 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:25
S15	1	S13 and S5	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:25
S16	5220	active near2 buffer	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:25
S17	115	(S4 or S5) and transducer and (wave same (detect\$3 or sens\$3) same transduc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 13:44
S18	1	"10/752935".app.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:40
S19	32	S17 and buffer\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:40
S20	13	"5530678".pn. or "4025724".pn. or "20030066692".pn. or "5097415".pn. or "498018".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 13:51

## EAST Search History

S21	7	S16 and (S1 or S2)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 10:58
S22	319	wave same (detect\$3 or sens\$3) same transduc\$3 same (transistor)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 13:43
S23	2	S22 and (S1 or S2)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 13:43
S24	227154	(buffer or transistor) same (amp or amplify\$3 or amplifi\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 13:44
S25	18	S17 and S24	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 13:44
S26	1	10/510564.app.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/14 13:51
S27	101	wave same (induc\$3) same transduc\$3 same (buffer or transistor)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/15 13:38
S28	3990	345/173-178.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/15 13:38
S29	2	S28 and S27	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/15 13:38
S30	2743	wave same (induc\$3) same transduc\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/15 13:39

## EAST Search History

S31	1882	178/18.01-18.08.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/15 13:39
S32	47	S30 and (S28 or S31)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/15 13:39
S33	30	("3653031"   "3673327"   "4644100"   "4645870"   "4665282"   "4700176"   "4746914"   "4791416"   "5072427"   "5162618"   "5177327"   "5243148"   "5260521"   "5329070"   "5451723"   "5573077"   "5591945"   "5708461"   "5739479"   "5856820").PN. OR ("6078315").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/15 13:48
S34	29086	(sampl\$3 same frequency same (greater or lower or (more adj than) or (less adj than)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/29 16:49
S35	31558	wake-up or (wake with up) or (power with save with mode) or (sleep with mode)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/26 18:19
S36	425091	audible or non-audible or periodic or non-periodic or (demodulat\$2 same (swept near tone))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/26 18:20
S37	393	S34 and S35 and S36	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/26 18:24
S38	4023	345/173-178.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/26 18:22
S39	1884	178/18.01-18.08.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/26 18:22
S40	5254	S38 or S39	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/26 18:24

## EAST Search History

S41	51	S34 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/26 18:24
S42	158	S35 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/26 18:24
S43	544	S36 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/26 18:24
S44	58	S43 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/26 18:35
S45	4	S44 and S41	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/26 18:25
S46	3	((("5784054") or ("20030217873") or ("5637839")).PN.	US-PGPUB; USPAT	OR	OFF	2006/10/26 18:37
S47	2	(JP adj "11353104")	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/26 18:37
S48	1	2000-121225.NRAN.	DERWENT	OR	ON	2006/10/26 18:37
S49	2	(WO adj "200148684") or (WO adj "2003005292")	DERWENT	OR	ON	2006/10/26 18:38
S50	4023	345/173-178.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/29 16:48
S51	1884	178/18.01-18.08.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/29 16:48
S52	75	alias\$3 and (S50 or S51)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/10/29 16:49

## EAST Search History

S53	47	(sampl\$3 same frequency) and S52	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 12:35
S54	186791	phase and dispersion	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 11:47
S55	4039	345/173-178.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 11:47
S56	1889	178/18.01-18.08.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 11:47
S57	59	S54 and (S55 or S56)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 14:17
S58	10	((("6535147") or ("6580799") or ("6871149") or ("6891527") or ("20010026625") or ("20020125065") or ("20050146511") or ("20050146512") or ("20050146513") or ("20050174338") or ("20050174338"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/11/07 12:01
S59	22774	"181".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 12:03
S60	472	702/56.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 12:03
S61	1	("2002/0104691").URPN.	USPAT	OR	ON	2006/11/07 12:28
S62	68	swept near tone	USPAT	OR	ON	2006/11/07 12:28
S63	0	S62 and (S55 or S56 or S59 or S60)	USPAT	OR	ON	2006/11/07 12:28
S64	739	(sampl\$3 same frequency) and (S55 or S56 or S59 or S60)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 12:37

## EAST Search History

S65	478951	ADC or (analog-to-digital near converter) or (Analog near2 Digital) or AD	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 12:36
S66	351	S64 and S65	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 12:36
S67	111	((sampl\$3 same frequency) same S65) and (S55 or S56 or S59 or S60)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 15:08
S68	1	10/518512.app.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 12:43
S69	1	10/518152.app.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 14:02
S70	64	phase and S67	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 14:02
S71	0	"PCT/GB00/- 04851"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 14:17
S72	2	PCT/GB00/	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 14:17
S73	104778	(emit\$4 or excitation) with (transducer or sensor)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 15:08
S74	797	S73 and (S55 or S56 or S59 or S60)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 15:09

## EAST Search History

S75	59	S54 and S74	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/07 15:09
S76	1	2001-450817.NRAN.	DERWENT	OR	ON	2006/11/07 15:32
S77	1	10/511110.app.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/08 13:28
S78	2	"20010006006"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/08 13:19
S79	1	10/511868.app.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/08 13:29
S80	70216	sample\$3 same frequenc\$3 same (great\$2 or high\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 10:32
S81	4046	345/173-178.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 10:33
S82	1889	178/18.01-18.08.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 10:33
S83	105	S80 and (S81 or S82)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 10:36
S84	70216	sample\$3 same frequenc\$3 same (great\$2 or high\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 14:23
S85	4046	345/173-178.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 14:24



## EAST Search History

S86	1889	178/18.01-18.08.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 14:24
S87	105	S84 and (S85 or S86)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 14:24
S88	32459	alias\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 14:23
S89	479570	ADC or (analog-to-digital near converter) or (Analog near2 Digital) or AD	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 14:24
S90	17	S88 and S87	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 14:28
S91	77	S87 and S89	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 16:07
S92	4516741	lift or remov\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 16:00
S93	67	S92 and S87	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 16:02
S94	735540	offset or off-set or (off adj set)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 16:19
S95	15019	S89 same S94	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 16:08

## EAST Search History

S96	6	(S85 and S86) and S95	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 16:19
S97	7478	(offset or off-set or (off adj set)) same (amplitude) same phase	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 16:19
S98	1889	178/18.01-18.08.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 16:19
S99	506	345/174.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 16:19
S100	0	S97 and (S98 and S99)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 16:20
S101	13	S97 and (S98 or S99)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 16:20
S102	4	09/746405.app. or 10/440650.app. or 10/683342.app. or 10/750291.app.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/11/09 16:57